

LISTING OF THE CLAIMS:

The following is a complete listing of claims including the amendments presented in the amendment filed on April 8, 2004. Please note that claims 19, 21 and 23 have been amended further in response to the Notice of Non-Compliant Amendment.

1. (withdrawn) A material having fluid handling characteristics, said material comprising:

a substrate, having at least a first surface; and
one or more chemistries applied to the first surface of the substrate in discrete droplets;

wherein one or more droplets form discrete domains on the substrate and wherein the domains produce a topography of chemistries upon the substrate and wherein the domains provide enhanced fluid handling characteristics.

2. (withdrawn) The material of Claim 1, wherein said one or more chemistries and the chemistries applied to the substrate have varying degrees of penetration; and wherein the varying degrees of chemistry penetration produce materials having various topographies.

3. (withdrawn) The material of Claim 1, wherein the one or more chemistries are selectively applied to the substrate.

4. (withdrawn) The material of Claim 1, wherein the one or more chemistries are applied to the substrate so as to produce a selectively located fluid barrier.

5. (withdrawn) The material of Claim 1, wherein said one or more the chemistries are applied to the substrate in a pattern.

6. (withdrawn) The material of Claim 1, wherein the topography of chemistries results in a substrate which exhibits improved fluid management and/or skin separation.

7. (withdrawn) The material of Claim 1, wherein the discrete domains direct the wicking of fluids contacting the surface of the material.

8. (withdrawn) The material of Claim 7, wherein at least one of the chemistries is releasable, at least in part, from the substrate when exposed to temperatures at or above about 23°C.
9. (withdrawn) The material of Claim 1, wherein the substrate is selected from a film, woven, nonwoven, paper and laminates or combinations thereof.
10. (withdrawn) The material of Claim 1, wherein the material comprises a personal care product or one or more components thereof.
11. (withdrawn) The material of Claim 10, wherein the personal care product is selected from a diaper, training pant, absorbent underpant, adult incontinence product, sanitary wipe, wet wipe, feminine hygiene product, wound dressing, nursing pad, time release patch, surgical gown, fenestration drape, bandage, mortuary product, veterinary product, hygiene and absorbent product.
12. (currently amended) An absorbent article comprising:
a substrate, having at least a first surface; and
droplets comprising one or more chemistries, at least one of the chemistries being at least in part, a phase-change liquid;
wherein the ~~one or more chemistries~~ droplets have a volume in the range of about 5 nanoliters to about 400 nanoliters and are applied to the substrate so as to produce a substrate having desired topographical characteristics.
13. (original) The absorbent article of Claim 12, wherein the substrate is selected from a film, woven, nonwoven, paper and laminates or combinations thereof.
14. (currently amended) The absorbent article of Claim 12, wherein the ~~one or more chemistries~~ droplets are selectively applied to the substrate.

15. (currently amended) The absorbent article of Claim 14, wherein the ~~chemistries~~ droplets are applied to the substrate in a pattern.
16. (currently amended) The absorbent article of Claim 12, wherein the ~~chemistry~~ droplets are is applied to the substrate so as to create a topography of chemistry, and wherein the topography provides skin health benefits.
17. (currently amended) The absorbent article of Claim 16, wherein the ~~application of topography results in a substrate which exhibits~~ droplets provide improved fluid management and/or skin separation.
18. (original) The absorbent article of Claim 12, wherein the topographical characteristics include liquid wicking or flow management applications.
19. (original) The absorbent article of Claim 12, wherein the droplets comprising one or more chemistries are applied to the substrate so as to produce a fluid barrier.
20. (original) The absorbent article of Claim 12, wherein the substrate comprises a personal care product or component thereof.
21. (currently amended) The absorbent article of Claim ~~20~~12, wherein the ~~personal care product~~ absorbent article is ~~selected from a~~ diaper, a training pant, an absorbent underpant, an adult incontinence product, a sanitary wipe, a wet wipe, a feminine hygiene product, a wound dressing, a nursing pad, a time release patch, a surgical gown, a fenestration drape, a bandage, a mortuary product, a veterinary product, or other hygiene and or absorbent product.
22. (currently amended) The absorbent article of Claim 12, wherein the ~~discrete segments~~ droplets have a substantially semicircular cross-section extending above the body-facing first surface of the substrate.

23. (currently amended) The absorbent article of Claim 12, wherein the ~~discrete segments~~ droplets are hydrophobic domes each having have a volume in the range of about 5 nanoliters to about 400 nanoliters.

24. (withdrawn) A composite comprising:
a substrate, being of at least one layer and having at least a first surface; and
one or more chemistries, at least one of the chemistries being at least in part, a phase-change liquid;
wherein the one or more chemistries are applied to the substrate so as to produce a substrate having discretely placed and registered bond points.

25. (withdrawn) The composite of Claim 24, wherein the discrete bond points are inter-fiber bond points or interfacial bond points.